

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of the claims.

Listing of Claims:

1. (original) A television (TV) receiving module which is connected to a display apparatus and adapted to receive TV broadcasts, comprising:

connector means for receiving power and a control signal from said display apparatus and providing a TV signal thereto;

a memory for storing a control firmware and data necessary for control and operation;

a microprocessor for receiving said power through said connector means, said microprocessor being operated according to said control firmware stored in said memory to receive said control signal through said connector means, provide a TV broadcast selection signal in response to the received control signal, perform a desired signal processing with respect to an input TV signal and provide the resulting TV signal to said display apparatus via said connector means;

tuner means for receiving said power through said connector means, selecting a TV signal of a desired broadcast from among TV signals inputted from a TV broadcast receiving antenna or cable in response to said TV broadcast selection signal from said microprocessor and providing the selected TV signal as said input TV signal to said microprocessor; and

an audio processor for processing an audio signal of said TV signal from said microprocessor.

2. (original) The TV receiving module as set forth in claim 1, wherein said TV broadcast selection signal from said microprocessor includes:

an analog broadcast/digital broadcast selection signal for selection of an analog TV broadcast or a digital TV broadcast; and

a TV channel selection signal for selection of a channel in the selected analog TV broadcast or digital TV broadcast.

3. (original) The TV receiving module as set forth in claim 2, wherein said tuner means includes:

a tuner for selecting a TV broadcast channel in response to said channel selection signal of said TV broadcast selection signal from said microprocessor;

an analog demodulator responsive to said analog broadcast/digital broadcast selection signal of said TV broadcast selection signal for demodulating an analog TV broadcast signal selected by said tuner and providing the resulting audio and video signals through said connector means; and

a digital demodulator responsive to said analog broadcast/digital broadcast selection signal of said TV broadcast selection signal for demodulating a digital TV broadcast signal selected by said tuner and providing the resulting MPEG (Moving Picture Experts Group) signal to said microprocessor.

4. (original) The TV receiving module as set forth in claim 1, wherein said connector means includes:

a power terminal for receiving said power from said display apparatus;

a transmission terminal for outputting TV reception information from said microprocessor;

a reception terminal for receiving said control signal from said display apparatus;

an A/V terminal for outputting an analog A/V signal from said tuner means;

a video signal terminal for outputting a video signal from said microprocessor; and

an audio signal terminal for outputting an audio signal from said audio processor.

5. (original) The TV receiving module as set forth in claim 4, wherein said power terminal, transmission terminal, reception terminal, A/V terminal, video signal terminal and audio signal terminal of said connector means are implemented with pins, respectively.

6. (currently amended) A display apparatus which is connected to a TV receiving module and adapted to output video and audio signals of a TV broadcast, comprising:

a power supply for supplying internal power to said display apparatus and external

power having a plurality of different voltages to said TV receiving module, respectively,

connector means for providing said external power from said power supply and a control signal to said TV receiving module and receiving a TV signal from said TV receiving module;

a key input unit including a plurality of keys necessary for a TV receiving operation, said keys including a TV channel selection key and a volume adjustment key;

a controller for generating a control signal corresponding to a key signal inputted through said key input unit, providing the generated control signal to said TV receiving module through said connector means to control said TV receiving operation in response to the key signal, and receiving said TV signal from said TV receiving module through said connector means;

a signal processor for processing a video signal of said TV signal from said connector means to be displayable on a screen and adjusting a level of an audio signal of said TV signal;

a display unit for outputting a video signal from said signal processor to said screen; and

a speaker for outputting an audio signal from said signal processor.

7. (canceled)

8. (original) The display apparatus as set forth in claim 6, wherein said connector means includes:

a power terminal for supplying said external power from said power supply to said TV receiving module;

a reception terminal for receiving TV reception information from said TV receiving module;

a transmission terminal for transmitting said control signal from said controller to said TV receiving module;

an A/V terminal for receiving an analog A/V signal from said TV receiving module;

a video signal terminal for receiving a video signal from said TV receiving module; and

an audio signal terminal for receiving an audio signal from said TV receiving module.

9. (original) The display apparatus as set forth in claim 8, wherein said power terminal, transmission terminal, reception terminal, A/V terminal, video signal terminal and audio signal terminal of said connector means are implemented with pins, respectively.

10. (original) The display apparatus as set forth in claim 8, wherein said display apparatus is a TV receiver for receiving analog TV broadcasts.

11. (original) The display apparatus as set forth in claim 8, wherein said display apparatus is a plasma display panel (PDP) TV receiver.

12. (currently amended) A display apparatus for a computer which is connected to a TV receiving module, comprising:

a power supply for supplying internal power to said display apparatus and external power having a plurality of different voltages to said TV receiving module, respectively;

connector means for providing said external power from said power supply and a control signal to said TV receiving module and receiving a TV signal from said TV receiving module;

a key input unit including a plurality of keys necessary for a TV receiving operation and monitor operation, said keys including a TV/monitor mode selection key, a TV channel selection key and a volume adjustment key;

a controller for generating a control signal corresponding to a key signal inputted through said key input unit, providing the generated control signal to said TV receiving module through said connector means to control said TV receiving operation or monitor operation in response to the key signal, and receiving said TV signal from said TV receiving module through said connector means;

a signal processor for processing a video signal of said TV signal from said connector means to be displayable on a screen and adjusting a level of an audio signal of said TV signal;

a display unit for outputting a video signal from said signal processor to said screen; and

a speaker for outputting an audio signal from said signal processor.

13. (canceled)

14. (original) The display apparatus as set forth in claim 12, wherein said connector means includes:

a power terminal for supplying said external power from said power supply to said TV receiving module;

a reception terminal for receiving TV reception information from said TV receiving module;

a transmission terminal for transmitting said control signal from said controller to said TV receiving module;

an A/V terminal for receiving an analog A/V signal from said TV receiving module;

a video signal terminal for receiving a video signal from said TV receiving module; and

an audio signal terminal for receiving an audio signal from said TV receiving module.

15. (original) The display apparatus as set forth in claim 12, wherein said display apparatus is a liquid crystal display (LCD) monitor.

16. (currently amended) A TV receiving system comprising:

a TV receiving module for selecting and receiving a TV signal of a desired broadcast from among TV signals inputted from a TV broadcast receiving antenna or cable and providing the received TV signal, including:

a memory for storing a control firmware and data necessary for control and operation;

a microprocessor for receiving said external power through said detachable connector means, said microprocessor being operated according to said control firmware stored in said memory to receive said external control signal through said detachable connector means, provide a TV broadcast selection signal in response to the received control signal, perform a desired signal processing with respect to an input TV signal and provide the resulting TV signal to said display apparatus via said detachable connector means;

tuner means for receiving said external power through said detachable connector means, selecting a TV signal of a desired broadcast from among the TV signals inputted from said TV broadcast receiving antenna or cable in response to said TV broadcast selection signal from said microprocessor and providing the selected TV signal as said input TV signal to said microprocessor; and

an audio processor for processing an audio signal of said TV signal from said microprocessor;

detachable connector means including a first connector installed in said TV receiving module for receiving external power and an external control signal and providing the TV signal received by said TV receiving module externally, and a second connector detachably coupled with said first connector; and

a display apparatus connected to said TV receiving module via said second connector of said detachable connector means for providing said external power and external control signal to said TV receiving module, receiving said TV signal from said TV receiving module and outputting video and audio signals of the received TV signal, including:

a power supply for supplying internal power to said display apparatus and said external power having a plurality of different voltages to said TV receiving module, respectively;

a key input unit including a plurality of keys necessary for a TV receiving operation, said keys including a TV channel selection key and a volume adjustment key;

a controller for generating a control signal corresponding to a key signal inputted through said key input unit, providing the generated control signal to said TV receiving module through said second connector to control said TV receiving operation in response to the key signal, and receiving said TV signal from said TV receiving module through said second connector;

a signal processor for processing a video signal of said TV signal from said detachable connector means to be displayable on a screen and adjusting a level of an audio signal of said TV signal;

a display unit for outputting a video signal from said signal processor to said

screen; and

a speaker for outputting an audio signal from said signal processor.

17. (canceled)

18. (original) The TV receiving system as set forth in claim 16, wherein said TV broadcast selection signal from said microprocessor includes:

an analog broadcast/digital broadcast selection signal for selection of an analog TV broadcast or a digital TV broadcast; and

a TV channel selection signal for selection of a channel in the selected analog TV broadcast or digital TV broadcast.

19. (original) The TV receiving system as set forth in claim 18, wherein said tuner means includes:

a tuner for selecting a TV broadcast channel in response to said channel selection signal of said TV broadcast selection signal from said microprocessor;

an analog demodulator responsive to said analog broadcast/digital broadcast selection signal of said TV broadcast selection signal for demodulating an analog TV broadcast signal selected by said tuner and providing the resulting audio and video signals through said first connector; and

a digital demodulator responsive to said analog broadcast/digital broadcast selection signal of said TV broadcast selection signal for demodulating a digital TV broadcast signal selected by said tuner and providing the resulting MPEG signal to said microprocessor.

20. (original) The TV receiving system as set forth in claim 16, wherein said first connector includes:

a power terminal for receiving said external power from said display apparatus;

a transmission terminal for outputting TV reception information from said microprocessor;

a reception terminal for receiving said external control signal from said display

apparatus;

an A/V terminal for outputting an analog A/V signal from said tuner means;
a video signal terminal for outputting a video signal from said microprocessor; and
an audio signal terminal for outputting an audio signal from said audio processor.

21. (original) The TV receiving system as set forth in claim 20, wherein said power terminal, transmission terminal, reception terminal, A/V terminal, video signal terminal and audio signal terminal of said first connector are implemented with pins, respectively.

22. (canceled)

23. (canceled)

24. (original) The TV receiving system as set forth in claim 21, wherein said second connector includes:

a power terminal for supplying said external power from said power supply to said TV receiving module;

a reception terminal for receiving TV reception information from said TV receiving module;

a transmission terminal for transmitting said control signal from said controller to said TV receiving module;

an A/V terminal for receiving an analog A/V signal from said TV receiving module;

a video signal terminal for receiving a video signal from said TV receiving module; and
an audio signal terminal for receiving an audio signal from said TV receiving module.

25. (original) The TV receiving system as set forth in claim 24, wherein said power terminal, transmission terminal, reception terminal, A/V terminal, video signal terminal and audio signal terminal of said second connector are implemented with pins, respectively.

26. (original) The TV receiving system as set forth in claim 16, wherein said display

apparatus is a TV receiver for receiving analog TV broadcasts.

27. (original) The TV receiving system as set forth in claim 16, wherein said display apparatus is a PDP TV receiver.

28. (original) The TV receiving system as set forth in claim 16, wherein said display apparatus is a computer monitor.

29. (original) The TV receiving system as set forth in claim 28, wherein said computer monitor is an LCD monitor.